

THE EMBODIMENTS OF THE INVENTION IN WHICH AN
EXCLUSIVE PROPERTY IS CLAIMED AS FOLLOWS:

1. A preformed wall panel having base and top ends and two vertical
5 side edges, comprising:

a) a wall portion fitted with a vertical flange form with an interior
flange volume for creating a flange on the wall portion when filled with
binder material; and

b) a footing form fitted along the wall portion proximate to the base
10 end of the wall panel to provide a downwardly open footing volume,
wherein said vertical flange form and footing form define an interconnected
volume and wherein said forms serve to contain binder material poured into
the footing form through the vertical flange form to provide said wall
portion with both a flange and a footing.

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2. A preformed wall panel as in claim 1 comprising a trough form
mounted along the top end of the wall portion defining a trough volume that
communicates with said flange volume for receiving binder material at the
same time that the vertical and footing forms are being filled with binder
20 material.

3. A wall panel as in claim 1 comprising reinforcing coupling means
protruding from said wall portion into any one or more of said volumes to
position and support reinforcing rod to be placed within said one or more
25 volumes.

4. A wall panel as in claim 3 with reinforcing rod positioned within said one or more volumes.
5. A wall panel as in claim 4 wherein said one or more volumes is a footing volume and the reinforcing/coupling means connects with and supports said reinforcing rod.
6. A wall panel as in claim 5 comprising flange-to-footing coupling means extending between the flange form volume and the footing volume to provide reinforcement for binder material to be cast therein.
7. A wall panel as in claim 6 wherein said flange-to-footing coupling means connects with said reinforcing rod positioned within the footing volume.
8. A wall panel as in claim 1 wherein said footing form has an outer edge remote from said wall portion which outer edge is positioned beneath the base of the wall portion when the wall portion is suspended in a vertical plane, said footing form being made of a resilient material that will allow the outer edge to become aligned with the base end of the wall portion when the preformed wall panel is placed on a horizontal surface.
9. A wall panel as in claim 8 wherein the footing form is bent inwardly along said outer edge, extending into the footing volume, to terminate in a terminal edge that is bent-back to be directed towards the wall portion.

10. A wall panel as in claim 9 wherein the terminal edge is positioned within the footing volume so as to be cast into the binder material of a footing when the footing form is filled with binder material to become coupled to the binder material.

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11. A wall panel as in claim 9 wherein said terminal edge is an upwardly directed bent edge.

12. A wall panel as in claim 1 having vertical half-flange forms mounted on said wall portion along the two vertical side edges of the wall portion, the outer edge of at least one of said half-flange forms having at least portions of its surface extending to overlap and permit coupling to an adjacent half flange form when two of said wall panels with half flange forms are abutted together.

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13. A preformed wall panel as in claim 1 wherein the material for the flange and footing forms is of sheet material which is fastened by embedment to the panel wall portion of edges of the sheet material which edges are interrupted from alignment in a straight line so as to reduce the tendency for cracks to proliferate in the wall portion.

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14. A preformed wall panel as in claim 1 comprising a beam support post form fitted to said wall portion, said beam support post form being notched at its upper end to receive the end of a beam, and having an upwardly extending open volume adjacent said wall panel for receiving binder material.

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15. A building wall comprising a plurality of panels as in claim 1 mounted on a base surface wherein the footing forms of the respective panels are aligned to provide against said base surface a series of continuous
5 footing volumes extending between consecutive footing forms of each panel whereby the footing forms can be filled with a continuous volume of binder material that serves as the footing for the wall.

16. A building wall as in claim 15 comprising reinforcing means laid in
10 the interconnected footing volumes before they are filled with binder material to become embedded therein once the forms are filled with binder material.

17. A building wall as in claim 15 comprising two wall sections meeting
15 at an angle and further comprising a corner piece having vertical faces shaped to abut the vertical side edges of adjacent wall panels of said respective wall sections, said adjacent wall panels having vertical half-forms mounted along said abutting vertical side edges and further comprising a joiner piece for joining said respective half-forms.

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18. A building wall as in claim 17 comprising at least one positioning plate with upwardly bent flanges for positioning beneath said corner piece, said flanges embracing portions of the base ends of said respective abutting wall panels.

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19. A building wall as in claim 15 comprising wall panels as in claim 2 for serving as the first tier in a multiple-tiered wall, in combination with a second building wall as in claim 15 to form a second tier for said multiple tiered wall, said second building wall being positioned on top of said first
5 building wall.